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OM protein - protein search, using sw model

Run on: August 28, 2003, 18:31:03 ; Search time 10.1515 Seconds
(without alignments)
41.679 Million cell updates/sec

Title: US-09-743-225-7
Perfect score: 55
Sequence: 1 CATLRVYKGG 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	46	83.6	356	4	US-09-107-532A-6936
2	36	65.5	343	3	US-09-363-189B-4
3	35	63.6	310	1	US-08-433-783-42
4	35	63.6	310	2	US-08-337-358-42
5	35	63.6	310	5	PCT-US95-07537A-42
6	35	63.6	310	5	PCT-US95-07537-42
7	35	63.6	340	1	US-07-828-700-8
8	35	63.6	685	3	US-08-947-965-72
9	35	63.6	686	3	US-08-947-965-70
10	35	63.6	686	3	US-08-947-965-73
11	34	61.8	119	1	US-07-988-925-11
12	34	61.8	119	2	US-08-382-780-11
13	34	61.8	128	6	5514582-34
14	34	61.8	181	2	US-08-640-977-3
15	34	61.8	207	2	US-08-640-977-5
16	34	61.8	248	2	US-08-640-977-2
17	34	61.8	266	2	US-08-640-977-4
18	34	61.8	326	2	US-08-640-977-1
19	34	61.8	349	2	US-07-857-224B-95
20	33	60.0	465	4	US-09-252-991A-18919
21	33	60.0	685	3	US-08-947-965-74
22	33	60.0	1240	2	US-08-680-326-37
23	32	58.2	69	3	US-08-905-223-353
24	32	58.2	70	3	US-08-905-223-355
25	32	58.2	386	4	US-09-293-322C-5
26	32	58.2	386	4	US-09-839-497A-5
27	32	58.2	477	2	US-08-560-098A-51

28	32	58.2	680	3	US-08-947-965-77	Sequence 77, Appl
29	31	56.4	119	2	US-08-362-780-25	Sequence 25, Appl
30	31	56.4	198	4	US-09-328-352-8198	Sequence 8198, Ap
31	31	56.4	410	4	US-09-134-001C-3927	Sequence 3927, Ap
32	31	56.4	422	4	US-09-252-991A-22762	Sequence 22762, A
33	31	56.4	428	4	US-09-252-991A-27023	Sequence 27023, A
34	31	56.4	536	4	US-09-252-991A-16754	Sequence 16754, A
35	31	56.4	684	4	US-09-252-991A-27004	Sequence 27004, A
36	31	56.4	715	3	US-08-669-286-7	Sequence 7, Appl
37	31	56.4	715	3	US-09-469-253-7	Sequence 7, Appl
38	31	56.4	715	3	US-09-642-146-7	Sequence 7, Appl
39	30	54.5	45	4	US-09-369-247-146	Sequence 146, App
40	30	54.5	50	1	US-08-247-475-37	Sequence 37, Appl
41	30	54.5	50	1	US-08-479-650-37	Sequence 37, Appl
42	30	54.5	50	1	US-08-191-866D-59	Sequence 59, Appl
43	30	54.5	50	1	US-08-674-169-37	Sequence 37, Appl
44	30	54.5	50	2	US-08-185-949B-59	Sequence 59, Appl
45	30	54.5	52	1	US-08-247-475-40	Sequence 40, Appl

ALIGNMENTS

RESULT 1
US-09-107-532A-6936
; Sequence 6936, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6936:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 356 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...356
; SEQUENCE DESCRIPTION: SEQ ID NO: 6936:
US-09-107-532A-6936

Query Match 83.6%; Score 46; DB 4; Length 356;
Best Local Similarity 90.0%; Pred. No. 0.41;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10
||||| |||
DB 29 CATLRVYKGG 38

RESULT 2

US-09-363-189B-4

; Sequence 4, Application US/09363189B

; Patent No. 6242228

; GENERAL INFORMATION:

; APPLICANT: SUGIYAMA, MASAKAZU

; APPLICANT: TONOUCHI, NAOTO

; APPLICANT: SUZUKI, SHUNICHI

; APPLICANT: YOKOZAKI, KENZO

; TITLE OF INVENTION: XYLITOL DEHYDROGENASE OF ACETIC ACID BACTERIA AND GENE THEREOF

; FILE REFERENCE: 0010-1024-0

; CURRENT APPLICATION NUMBER: US/09/363,189B

; CURRENT FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: JP10-216047

; PRIOR FILING DATE: 1998-07-30

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4

; LENGTH: 343

; TYPE: PRT

; ORGANISM: Gluconobacter oxydans

US-09-363-189B-4

Query Match 65.5%; Score 36; DB 3; Length 343;
Best Local Similarity 77.8%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 9
||| |||||
DB 153 CAGLTRVYKGG 161

RESULT 3

US-08-433-783-42

; Sequence 42, Application US/08433783

; Patent No. 5770431

; GENERAL INFORMATION:

; APPLICANT: Liu, Chi-Li

; APPLICANT: Adams, Lee F.

; APPLICANT: Lufburrow, Patricia A.

; APPLICANT: Thomas, Michael D.

; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS

; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 5770431 No. 5770431disk of No. 5770431th America, Inc.

; STREET: 405 Lexington Avenue, 64th Floor

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10174-6401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Tape

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/433,783

; FILING DATE: 03-MAY-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/337,358

; FILING DATE: 10-NOV-1994

; APPLICATION NUMBER: US 08/264,100
; FILING DATE: 22-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/194,651
; FILING DATE: 09-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/166,391
; FILING DATE: 13-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,073
; FILING DATE: 15-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Agilis Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3778.230-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-433-783-42

Query Match 63.6%; Score 35; DB 1; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRYVYKGG 9
||||: |||
DB 169 ATLQIYVYKGG 176

RESULT 4

US-08-337-358-42

; Sequence 42, Application US/08337358

; Patent No. 5879676

; GENERAL INFORMATION:

; APPLICANT: Liu, Chi-Li

; APPLICANT: Adams, Lee F.

; APPLICANT: Lufburrow, Patricia A.

; APPLICANT: Thomas, Michael D.

; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS

; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 5879676 No. 5879676disk of No. 5879676th America, Inc.

; STREET: 405 Lexington Avenue, 64th Floor

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10174-6401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Tape

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/337,358

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/264,100

; FILING DATE: 22-JUN-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/194,651

; FILING DATE: 09-FEB-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/166,391

; FILING DATE: 13-DEC-1993

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,073
; FILING DATE: 15-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Agiris Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3778.230-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-337-358-42

Query Match 63.6%; Score 35; DB 2; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
Db 169 ATLQIYKG 176

RESULT 5
PCT-US95-07537A-42
; Sequence 42, Application PC/TUS9507537A
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Novo Nordisk of North America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Tape
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07537A
; FILING DATE: 15-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,073
; FILING DATE: 15-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/264,100
; FILING DATE: 22-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/337,358
; FILING DATE: 10-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Agiris Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3778.404-WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US95-07537-42

Query Match 63.6%; Score 35; DB 2; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
Db 169 ATLQIYKG 176

RESULT 6
PCT-US95-07537-42
; Sequence 42, Application PC/TUS9507537
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Novo Nordisk of North America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Tape
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07537
; FILING DATE: 15-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/264,100
; FILING DATE: 22-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/337,358
; FILING DATE: 10-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Agiris Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3778.404-WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US95-07537-42

Query Match 63.6%; Score 35; DB 5; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
Db 169 ATLQIYKG 176

RESULT 7
US-07-828-700-8
; Sequence 8, Application US/07828700
; Patent No. 5308760
; GENERAL INFORMATION:
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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US95-07537A-42

Query Match 63.6%; Score 35; DB 5; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
Db 169 ATLQIYKG 176

RESULT 6
PCT-US95-07537-42
; Sequence 42, Application PC/TUS9507537
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Novo Nordisk of North America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Tape
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07537
; FILING DATE: 15-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/264,100
; FILING DATE: 22-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/337,358
; FILING DATE: 10-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Agiris Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3778.404-WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US95-07537-42

Query Match 63.6%; Score 35; DB 5; Length 310;
Best Local Similarity 75.0%; Pred. No. 45;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
Db 169 ATLQIYKG 176

RESULT 7
US-07-828-700-8
; Sequence 8, Application US/07828700
; Patent No. 5308760
; GENERAL INFORMATION:
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; APPLICANT: Brown, Kit L.
 ; APPLICANT: Whiteley, Helen R.
 ; TITLE OF INVENTION: CRYSTAL PROTEINS OF BACILLUS
 ; TITLE OF INVENTION: THURINGIENSIS, GENES ENCODING THEM, AND HOSTS
 ; TITLE OF INVENTION: EXPRESSING THEM
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Wegner, Cantor, Mueller & Player
 ; STREET: 1233 20th Street, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; ZIP: 20036-8218
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/828,700
 ; FILING DATE: 19920203
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/817,915
 ; FILING DATE: 10 JAN 1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Cantor, Herbert I.
 ; REGISTRATION NUMBER: 24,392
 ; REFERENCE/DOCKET NUMBER: P-9575-23207
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-887-0400
 ; TELEFAX: 202-835-0605
 ; TELEX: 440706
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 340 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; ORIGINAL SOURCE:
 ; ORGANISM: Bacillus thuringiensis
 ; STRAIN: thompsoni
 ; US-07-828-700-8

Query Match 63.6%; Score 35; DB 1; Length 340;
 Best Local Similarity 75.0%; Pred. No. 50;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9
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 Db 160 ATLRVYKG 167

RESULT 8
 US-08-947-965-72
 ; Sequence 72, Application US/08947965A
 ; Patent No. 6004790
 ; GENERAL INFORMATION:
 ; APPLICANT: Dijkhuizen, Lubbert
 ; APPLICANT: Dijkstra, Bauke
 ; APPLICANT: Andersen, Carsten
 ; APPLICANT: Osten, Claus von der
 ; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase
 ; TITLE OF INVENTION: Variants
 ; FILE REFERENCE: 4285.204-US
 ; CURRENT APPLICATION NUMBER: US/08/947,965A
 ; CURRENT FILING DATE: 1997-10-09
 ; EARLIER APPLICATION NUMBER: 0477/95
 ; EARLIER FILING DATE: 1995-04-21
 ; EARLIER APPLICATION NUMBER: 1173/95
 ; EARLIER FILING DATE: 1995-10-17
 ; EARLIER APPLICATION NUMBER: 1281/95
 ; EARLIER FILING DATE: 1995-11-16
 ; EARLIER APPLICATION NUMBER: PCT/DK96/00179

; EARLIER FILING DATE: 1996-04-22
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 72
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Bacillus sp.
 ; US-08-947-965-72

Query Match 63.6%; Score 35; DB 3; Length 685;
 Best Local Similarity 60.0%; Pred. No. 1e+02;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10
 | ||:| ||
 Db 43 CTNRLRYCGG 52

RESULT 9
 US-08-947-965-70
 ; Sequence 70, Application US/08947965A
 ; Patent No. 6004790
 ; GENERAL INFORMATION:
 ; APPLICANT: Dijkhuizen, Lubbert
 ; APPLICANT: Dijkstra, Bauke
 ; APPLICANT: Andersen, Carsten
 ; APPLICANT: Osten, Claus von der
 ; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase
 ; TITLE OF INVENTION: Variants
 ; FILE REFERENCE: 4285.204-US
 ; CURRENT APPLICATION NUMBER: US/08/947,965A
 ; CURRENT FILING DATE: 1997-10-09
 ; EARLIER APPLICATION NUMBER: 0477/95
 ; EARLIER FILING DATE: 1995-04-21
 ; EARLIER APPLICATION NUMBER: 1173/95
 ; EARLIER FILING DATE: 1995-10-17
 ; EARLIER APPLICATION NUMBER: 1281/95
 ; EARLIER FILING DATE: 1995-11-16
 ; EARLIER APPLICATION NUMBER: PCT/DK96/00179
 ; EARLIER FILING DATE: 1996-04-22
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 70
 ; LENGTH: 686
 ; TYPE: PRT
 ; ORGANISM: Bacillus circulans
 ; US-08-947-965-70

Query Match 63.6%; Score 35; DB 3; Length 686;
 Best Local Similarity 60.0%; Pred. No. 1e+02;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10
 | ||:| ||
 Db 43 CTNRLRYCGG 52

RESULT 10
 US-08-947-965-73
 ; Sequence 73, Application US/08947965A
 ; Patent No. 6004790
 ; GENERAL INFORMATION:
 ; APPLICANT: Dijkhuizen, Lubbert
 ; APPLICANT: Dijkstra, Bauke
 ; APPLICANT: Andersen, Carsten
 ; APPLICANT: Osten, Claus von der
 ; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase
 ; TITLE OF INVENTION: Variants
 ; FILE REFERENCE: 4285.204-US
 ; CURRENT APPLICATION NUMBER: US/08/947,965A
 ; CURRENT FILING DATE: 1997-10-09
 ; EARLIER APPLICATION NUMBER: 0477/95
 ; EARLIER FILING DATE: 1995-04-21

;; EARLIER APPLICATION NUMBER: 1173/95
;; EARLIER FILING DATE: 1995-10-17
;; EARLIER APPLICATION NUMBER: 1281/95
;; EARLIER FILING DATE: 1995-11-16
;; EARLIER APPLICATION NUMBER: PCT/DK96/00179
;; EARLIER FILING DATE: 1996-04-22
;; NUMBER OF SEQ ID NOS: 78
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO 73
;; LENGTH: 686
;; TYPE: PRT
;; ORGANISM: Bacillus sp.
US-08-947-965-73

Query Match 63.6%; Score 35; DB 3; Length 686;
Best Local Similarity 60.0%; Pred. NO. 1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10
| | | | |
DB 43 CTNLRLYCGG 52

RESULT 11
US-07-988-925-11
; Sequence 11, Application US/07988925
; Patent No. 5585097
; GENERAL INFORMATION:
; APPLICANT: Bolt, Sarah L
; APPLICANT: Clark, Michael R
; APPLICANT: Gorman, Scott D
; APPLICANT: Routledge, Edward G
; APPLICANT: Waldmann, Herman
; TITLE OF INVENTION: antibody preparation
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon and Vanderhye pc
; STREET: 11th Floor, 1100 No. 5585097th Glebe Road
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/988,925
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9206422.9
; FILING DATE: 24-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/GB92/01933
; FILING DATE: 21-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-988-925-11

Query Match 61.8%; Score 34; DB 1; Length 119;

Best Local Similarity 60.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 CATLRVYKGG 10
| | | | |
DB 96 CAKFRQYSGG 105

RESULT 12
US-08-362-780-11
; Sequence 11, Application US/08362780
; Patent No. 5968509
; GENERAL INFORMATION:
; APPLICANT: Gorman, Scott D
; APPLICANT: Routledge, Edward G
; APPLICANT: Waldmann, Herman
; TITLE OF INVENTION: Antibody Preparation
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon and Vanderhye pc
; STREET: 8th Floor, 1100 No. 5968509th Glebe Road
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/362,780
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/862,543
; FILING DATE: 23-JUNE-1992
; APPLICATION NUMBER: GB 9021679.7
; FILING DATE: 05-OCT-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/GB91/01726
; FILING DATE: 04-OCT-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-362-780-11

Query Match 61.8%; Score 34; DB 2; Length 119;
Best Local Similarity 60.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10
| | | | |
DB 96 CAKFRQYSGG 105

RESULT 13
5514582-34
; Patent No. 5514582
; APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.
; TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
; IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 43

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/185,670
; FILING DATE: 21-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 986,931
; FILING DATE: 08-DEC-1992
; APPLICATION NUMBER: 808,122
; FILING DATE: 16-DEC-1991
; APPLICATION NUMBER: 440,625
; FILING DATE: 22-NOV-1989
; APPLICATION NUMBER: 315,015
; FILING DATE: 23-FEB-1989
; SEQ ID NO:34:
; LENGTH: 128
5514582-34

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Query Match      61.8%; Score 34; DB 6; Length 128;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      2 ATLRVYK 8
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Db      73 ATLRVYK 79

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RESULT 14
US-08-640-977-3
; Sequence 3, Application US/08640977
; Patent No. 5998223
; GENERAL INFORMATION:
; APPLICANT: Eiji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:

```

```

; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 181 amino acids
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 2-glycoprotein (Domains I, II and III)
; LOCATION:

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; IDENTIFICATION METHOD:
; OTHER INFORMATION:
US-08-640-977-3

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Query Match      61.8%; Score 34; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      2 ATLRVYK 8
        |||||
Db      132 ATLRVYK 138

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RESULT 15
US-08-640-977-5
; Sequence 5, Application US/08640977
; Patent No. 5998223
; GENERAL INFORMATION:
; APPLICANT: Eiji MATSUURA et al.
; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID
; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/640,977
; FILING DATE: May 9, 1996
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:

```

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; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 2-glycoprotein (Domains III, IV and V)
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
US-08-640-977-5

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```

Query Match      61.8%; Score 34; DB 2; Length 207;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY      2 ATLRVYK 8
        |||||
Db      13 ATLRVYK 19

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Search completed: August 28, 2003, 18:40:15
Job time : 10.1515 secs